Luminaire
Code 32511xxx189
Name URBAN PF/60 LED WHITE RIBBON
Measurem.
Code CL092A22F017G
Name URBAN PF/60 LED WHITE RIBBON

Luminaire Flux	3888.72 lm	Luminaire Power	35.32 W	Efficacy	110.10 lm/W	Efficiency	100.00%
Sources Flux	3888.72 lm	Maximum value	1474.59 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Round Luminaire	Diam. 600 mm	Height	120 mm
Round Luminous Area	Diam. 600 mm	Height	120 mm
Horizontal Luminous Area	0.282743 m2	Emitting area on Plane 180°	0.072000 m2
Emitting area on Plane 0°	0.072000 m2	Emitting area on Plane 270°	0.072000 m2
Emitting area on Plane 90°	0.072000 m2	Glare area at 76°	0.138263 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	08-09-2022	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	3888.72 lm
Operator	Asselum T2	Rated Voltage	27.18 V
Temperature	25.00 °C	Rated Current	1.30 A
Humidity	57.30 %	Photocell	Czibula Grundmann
Notes	RM22071402.1		

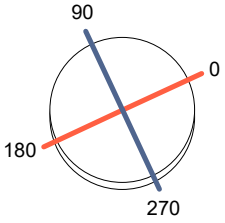
Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	2835 LM281B+PRO (VK)	SAMSUNG	3888.72	35.32	1

C.I.E.	50 79 95 95 100	D DIN 5040	A31
F UTE	0.95 E + 0.05 T	B NBN	BZ 4

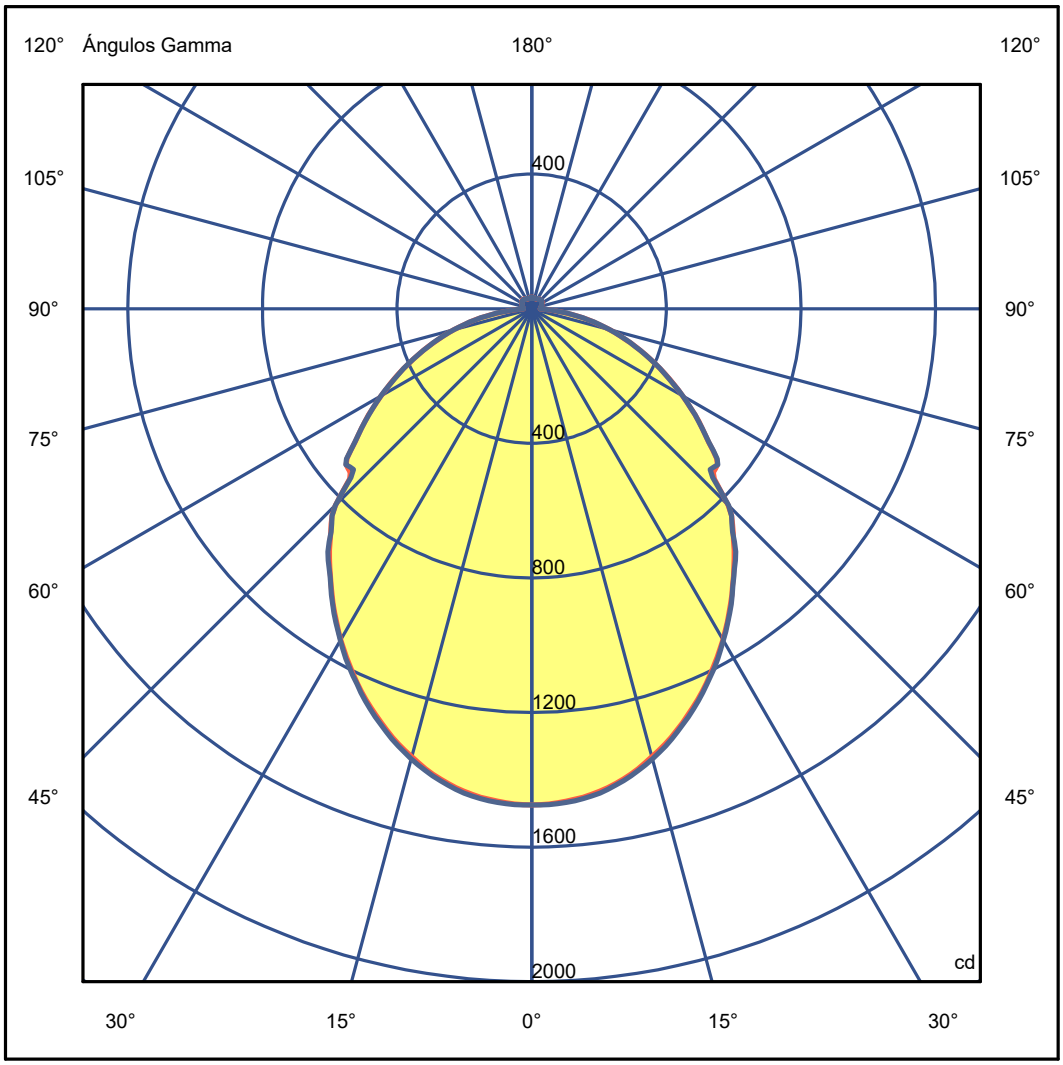


Diam=600mm



Semiplanos C

180.0 — 0.0
270.0 — 90.0



ULOR 5.17 %
DLOR 94.83 %
RN 5.17 %

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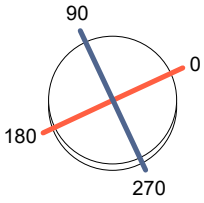
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	1474.59	1474.59	1474.59	1474.59	1474.59	1474.59	1474.59
G 2.5	1471.12	1471.89	1472.07	1472.83	1472.40	1473.13	1473.51
G 5.0	1463.19	1465.24	1465.02	1466.40	1466.36	1467.95	1467.55
G 7.5	1451.33	1452.70	1453.89	1454.34	1454.55	1455.45	1456.05
G 10.0	1432.25	1434.98	1435.06	1436.39	1436.33	1437.63	1437.60
G 12.5	1408.21	1411.16	1411.04	1412.82	1412.49	1413.73	1413.39
G 15.0	1377.98	1382.04	1382.73	1384.16	1383.66	1385.48	1384.58
G 17.5	1346.03	1349.73	1349.53	1351.57	1351.03	1351.55	1351.59
G 20.0	1308.75	1313.31	1314.08	1315.12	1314.27	1315.89	1313.94
G 22.5	1269.78	1274.07	1273.69	1275.70	1274.92	1274.63	1274.52
G 25.0	1227.55	1230.78	1231.34	1232.89	1231.45	1233.16	1230.28
G 27.5	1181.80	1186.10	1186.29	1187.39	1186.21	1187.35	1186.32
G 30.0	1135.36	1138.96	1138.78	1139.95	1138.70	1139.56	1137.92
G 32.5	1085.82	1090.42	1090.03	1091.75	1089.35	1089.97	1088.99
G 35.0	1035.74	1039.48	1039.40	1040.47	1039.17	1040.16	1038.30
G 37.5	984.91	989.19	988.78	991.93	987.68	991.18	987.19
G 40.0	934.98	942.70	938.25	942.63	942.70	939.62	942.27
G 42.5	883.93	878.78	886.64	879.40	882.58	878.22	881.08
G 45.0	824.80	825.86	828.10	826.31	826.44	826.34	826.76
G 47.5	726.99	767.81	728.82	777.59	723.49	772.89	719.79
G 50.0	720.36	689.20	723.40	668.93	723.09	674.10	721.19
G 52.5	669.08	671.27	670.75	674.99	670.38	671.13	670.88
G 55.0	618.02	620.42	620.70	620.44	619.21	619.18	618.25
G 57.5	567.93	570.16	568.43	569.60	568.31	569.01	567.84
G 60.0	517.20	519.93	518.92	519.60	518.25	518.49	518.28
G 62.5	468.86	470.72	470.16	469.50	469.32	469.43	467.64
G 65.0	420.73	422.00	420.58	422.00	421.55	421.18	420.91
G 67.5	372.94	374.80	374.85	374.75	373.00	373.58	372.58
G 70.0	327.62	329.02	328.40	328.58	328.05	328.34	327.41
G 72.5	282.30	284.30	283.63	283.98	283.04	283.69	282.84
G 75.0	239.55	239.79	240.18	239.69	238.99	239.78	239.11
G 77.5	196.47	196.71	196.68	196.68	197.59	197.60	197.07
G 80.0	153.75	155.32	154.90	154.43	153.83	154.69	154.18
G 82.5	112.96	113.13	111.81	112.81	112.20	113.16	112.34
G 85.0	71.89	73.37	72.50	73.31	72.59	73.17	72.12
G 87.5	35.95	44.37	35.68	45.49	36.38	46.48	36.10
G 90.0	25.04	27.83	25.03	28.72	25.07	28.68	25.01
G 92.5	25.69	25.77	25.72	25.73	25.71	25.72	25.68
G 95.0	26.51	26.50	26.51	26.43	26.49	26.46	26.47
G 97.5	27.29	27.28	27.22	27.19	27.25	27.23	27.26
G100.0	28.08	28.03	27.89	27.92	27.97	27.99	28.04
G102.5	28.78	28.77	28.50	28.64	28.65	28.73	28.79
G105.0	29.53	29.50	29.11	29.33	29.35	29.46	29.58
G107.5	30.30	30.19	29.75	30.04	30.07	30.17	30.38
G110.0	31.03	30.88	30.31	30.75	30.78	30.85	31.10
G112.5	31.80	31.54	30.82	31.49	31.41	31.49	31.73
G115.0	32.56	32.25	31.36	32.16	32.05	32.09	32.44
G117.5	33.46	33.01	32.13	32.95	32.70	32.75	33.25
G120.0	34.53	33.93	33.03	33.68	33.37	33.37	34.08
G122.5	35.51	34.82	34.02	34.42	33.98	34.11	34.80
G125.0	36.34	35.58	34.85	35.13	34.49	34.71	35.43
G127.5	37.05	36.10	35.60	35.77	34.97	35.22	36.11
G130.0	37.50	36.52	36.12	36.16	35.47	35.59	36.66
G132.5	37.71	36.72	36.60	36.40	35.75	35.60	36.80
G135.0	37.69	36.67	36.76	36.32	35.77	35.47	36.65
G137.5	37.36	36.54	36.50	36.07	35.72	35.41	36.64
G140.0	36.87	36.47	36.01	36.07	35.38	35.41	36.40
G142.5	36.97	35.69	35.83	35.35	35.20	35.07	35.80
G145.0	36.03	35.70	35.19	35.26	34.68	35.13	35.45
G147.5	35.42	34.56	34.70	34.41	34.36	34.60	34.82
G150.0	34.57	34.53	33.95	34.05	33.60	34.48	34.45
G152.5	34.04	33.34	33.52	33.12	33.22	33.63	33.70
G155.0	33.16	33.14	32.37	32.85	32.40	33.72	33.15
G157.5	33.22	32.17	32.50	31.62	32.31	32.61	32.80
G160.0	31.95	32.20	31.01	31.99	31.08	32.95	32.15
G162.5	32.36	31.64	31.57	31.19	31.77	32.09	32.82
G165.0	32.31	32.13	31.34	31.97	31.47	32.54	32.19
G167.5	33.61	32.40	32.06	31.97	32.09	32.39	32.44
G170.0	34.13	32.98	33.46	32.32	33.43	32.37	33.19
G172.5	34.13	33.57	33.47	33.03	32.86	32.91	32.05
G175.0	33.01	33.78	32.89	33.88	32.59	34.00	32.30
G177.5	34.57	34.45	34.28	34.55	34.25	34.42	34.09
G180.0	34.78	34.78	34.78	34.78	34.78	34.78	34.78

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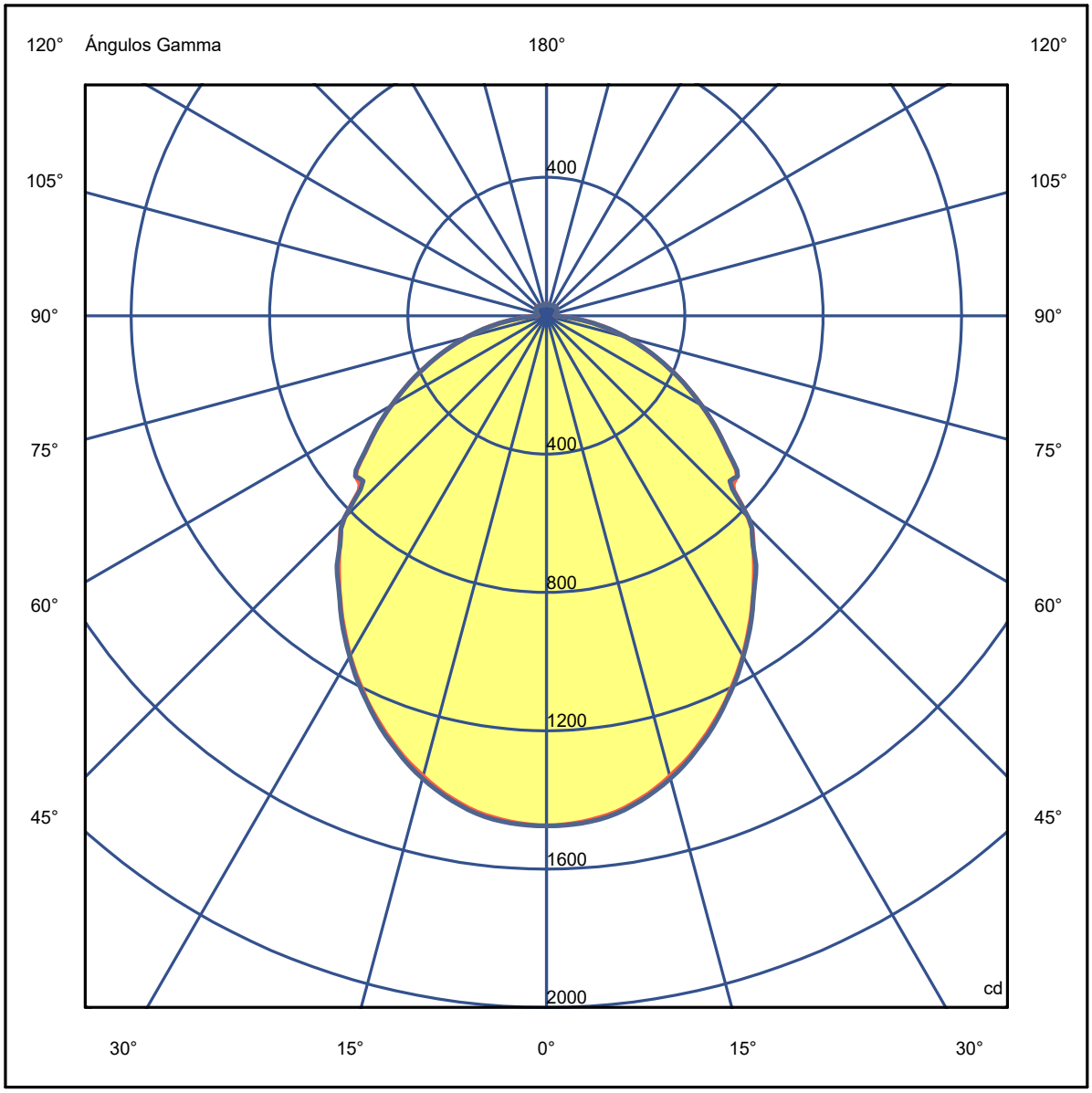
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Sources Flux	3888.72 lm	Maximum value	1474.59 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=600mm



Semiplanos C

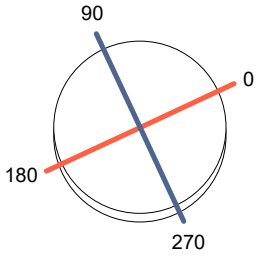
180.0 0.0
270.0 90.0



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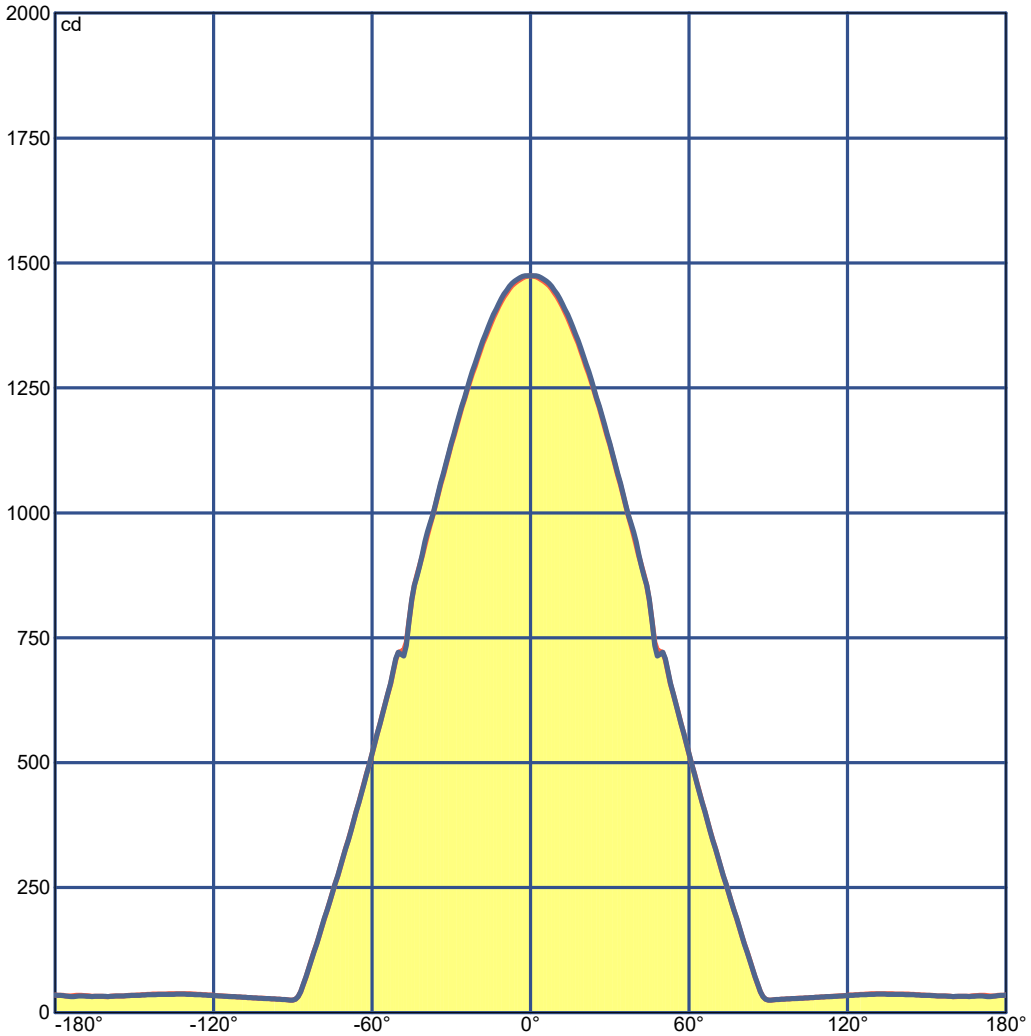
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Sources Flux	3888.72 lm	Maximum value	1474.59 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

UGR
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	15.7	16.9	16.1	17.2	17.6	15.7	16.9	16.0	17.2	17.6
x=2H y=3H	17.0	18.1	17.4	18.5	18.8	17.0	18.1	17.4	18.4	18.8
x=2H y=4H	17.5	18.5	17.9	18.9	19.3	17.5	18.5	17.9	18.9	19.3
x=2H y=6H	17.9	18.8	18.3	19.2	19.6	17.8	18.8	18.3	19.2	19.6
x=2H y=8H	18.0	18.9	18.4	19.3	19.7	17.9	18.9	18.4	19.3	19.7
x=2H y=12H	18.0	18.9	18.5	19.3	19.7	18.0	18.9	18.4	19.3	19.7
x=4H y=2H	16.3	17.3	16.7	17.7	18.1	16.2	17.3	16.7	17.7	18.0
x=4H y=3H	17.8	18.6	18.2	19.1	19.5	17.7	18.6	18.2	19.0	19.5
x=4H y=4H	18.4	19.2	18.9	19.6	20.1	18.4	19.2	18.9	19.6	20.1
x=4H y=6H	18.9	19.5	19.3	20.0	20.5	18.8	19.5	19.3	20.0	20.5
x=4H y=8H	19.0	19.6	19.5	20.1	20.6	19.0	19.6	19.5	20.1	20.6
x=4H y=12H	19.1	19.6	19.6	20.1	20.7	19.1	19.6	19.6	20.1	20.7
x=8H y=4H	18.6	19.2	19.1	19.7	20.3	18.6	19.2	19.1	19.7	20.2
x=8H y=6H	19.2	19.7	19.7	20.2	20.8	19.2	19.7	19.7	20.2	20.8
x=8H y=8H	19.4	19.9	20.0	20.4	21.0	19.4	19.9	20.0	20.4	21.0
x=8H y=12H	19.5	19.9	20.1	20.5	21.1	19.5	19.9	20.1	20.5	21.1
x=12H y=4H	19.0	19.5	19.5	20.0	20.6	19.0	19.5	19.5	20.0	20.6
x=12H y=6H	19.5	20.0	20.1	20.5	21.1	19.5	20.0	20.1	20.5	21.1
x=12H y=8H	19.7	20.1	20.3	20.7	21.3	19.7	20.1	20.3	20.7	21.3

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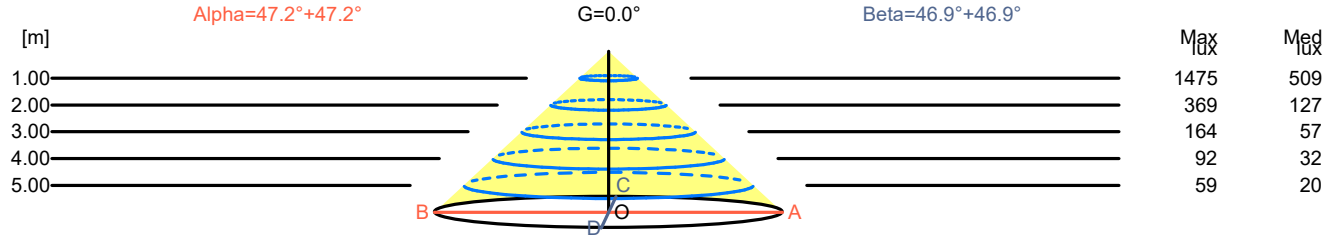
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Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.08	2.16	3.24	4.32	5.40	OC	1.07	2.14	3.21	4.28	5.35
OB	1.08	2.16	3.24	4.32	5.40	OD	1.07	2.14	3.21	4.28	5.35

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	1474.59	1463.19	1377.98	1227.55	1035.74	824.80	618.02	420.73	239.55	71.89
OB	1474.59	1463.19	1377.98	1227.55	1035.74	824.80	618.02	420.73	239.55	71.89
OC	1474.59	1467.55	1384.58	1230.28	1038.30	826.76	618.25	420.91	239.11	72.12
OD	1474.59	1467.55	1384.58	1230.28	1038.30	826.76	618.25	420.91	239.11	72.12



H[m]	D[m]	Max lux	Med lux	Alpha=47.2°+47.2° G=0.0
1.00	2.16	1475	509	
2.00	4.32	369	127	
3.00	6.49	164	57	
4.00	8.65	92	32	
5.00	10.81	59	20	

H[m]	D[m]	Max lux	Med lux	Beta=46.9°+46.9° G=0.0
1.00	2.14	1475	509	
2.00	4.28	369	127	
3.00	6.42	164	57	
4.00	8.56	92	32	
5.00	10.70	59	20	

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Flujo Total=3888.72 Flujo Luminaria=3888.72

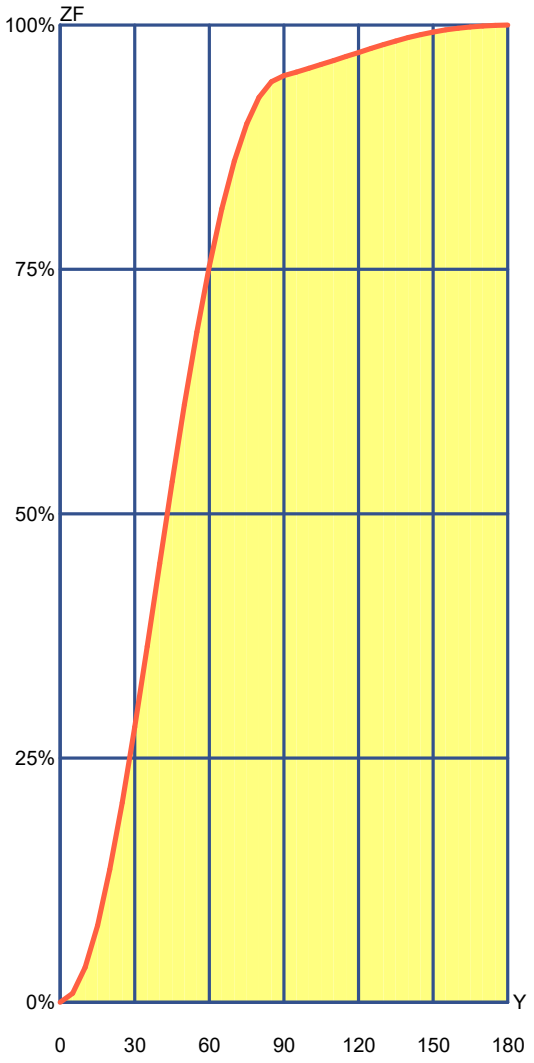
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.33	0.41	0.48	0.55	0.61	0.69	0.75	0.78	0.83	0.86	0.93	0.96
RC	5	5	5	5	5	5	5	5	5	5	4	4

Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	36	136	282	449	611	753	861	926	948	956	964	972	980	987	993	997	999	1000

Códigos de Flujo C.I.E.
50 79 95 95 100

C.I.E.	5/5/5/5/5/5/5/5/5/4/4	LOR	100.00000 %
D DIN 5040	A31	ULOR	5.17438 %
F UTE	0.95 E + 0.05 T	DLOR	94.82562 %
B NBN	BZ 4	UFF	5.17438 %
RN	5.17438 %	DFF	94.82562 %
BLF	1.0	FFR	5.45673 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	9.04	9.04	0.90 %	0.90 %
10°	26.70	35.74	2.67 %	3.57 %
15°	43.00	78.74	4.30 %	7.87 %
20°	57.15	135.89	5.71 %	13.59 %
25°	68.63	204.52	6.86 %	20.45 %
30°	77.11	281.63	7.71 %	28.16 %
35°	82.44	364.08	8.24 %	36.41 %
40°	84.85	448.93	8.49 %	44.89 %
45°	83.97	532.90	8.40 %	53.29 %
50°	78.51	611.41	7.85 %	61.14 %
55°	74.40	685.81	7.44 %	68.58 %
60°	67.61	753.42	6.76 %	75.34 %
65°	58.71	812.13	5.87 %	81.21 %
70°	48.73	860.85	4.87 %	86.09 %
75°	38.12	898.98	3.81 %	89.90 %
80°	27.10	926.08	2.71 %	92.61 %
85°	15.80	941.88	1.58 %	94.19 %
90°	6.37	948.26	0.64 %	94.83 %
95°	3.68	951.94	0.37 %	95.19 %
100°	3.81	955.75	0.38 %	95.57 %
105°	3.95	959.69	0.39 %	95.97 %
110°	4.04	963.74	0.40 %	96.37 %
115°	4.09	967.83	0.41 %	96.78 %
120°	4.10	971.93	0.41 %	97.19 %
125°	4.09	976.02	0.41 %	97.60 %
130°	3.99	980.01	0.40 %	98.00 %
135°	3.77	983.78	0.38 %	98.38 %
140°	3.45	987.23	0.34 %	98.72 %
145°	3.06	990.29	0.31 %	99.03 %
150°	2.63	992.91	0.26 %	99.29 %
155°	2.18	995.09	0.22 %	99.51 %
160°	1.75	996.84	0.17 %	99.68 %
165°	1.35	998.19	0.14 %	99.82 %
170°	0.99	999.18	0.10 %	99.92 %
175°	0.61	999.79	0.06 %	99.98 %
180°	0.21	1000.00	0.02 %	100.00 %

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Code CL092A22F017G
Name URBAN PF/60 LED WHITE RIBBON

Luminaire Flux	3888.72 lm	Luminaire Power	35.32 W	Efficacy	110.10 lm/W	Efficiency	100.00%
Sources Flux	3888.72 lm	Maximum value	1474.59 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m

